Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently amended) A method for providing personalized interactive programming over a data path, the data path extending between a service provider and a set top box, the service provider being connected to a data network and having an address, the method comprising:

establishing a communication path between a broadband digital terminal and the set top box, the broadband digital terminal being connected to the data network and the service provider broadcasting video through the broadband digital terminal to the set top box;

sending a private data packet in addition to the broadcast video from the service provider, over the network and through the broadband digital-terminal to the set top box, the packet containing application interface information for the service provider and containing the service provider address; and

establishing an impulse pay-per-view communication path between the set top box and the service provider based upon the address to allow interactive programming using the application interface information between the service provider and the set top box to personalize the broadcast programming.

2.   (Original) The method for providing personalized interactive programming over a data path of claim 1 wherein sending the private data packet is performed by inserting the private data packet between frames of a video transmission.

3.   (Original) The method for providing personalized interactive programming over a data path of claim 2 wherein the video transmission is prerecorded programming that is transmitted on demand.

4.   (Original) The method for providing personalized interactive programming over a data path of claim 2 wherein the video transmission is real-time programming.

5.   (Original) An interactive video/data system for interacting with a destination address on a network, the system comprising:

a broadcast source at the destination address for transmitting a private data packet over a private virtual channel on the network, the packet containing application interface information and the destination address;

a broadband digital terminal receiving the packet over the private virtual channel from the broadcast source; and

a set top box receiving the packet from the broadband digital terminal, and cooperating with the broadband digital terminal and the broadcast source to establish an impulse pay-per-view data path extending from the set top box to the broadband digital terminal, and over the private virtual channel to the broadcast source at the destination address, the data path allowing application interface information to be communicated in real-time between the set top box and the broadcast source.

6.   (Original) The interactive video/data system of claim 5 further comprising a television receiving video transmissions from the set top box.

7.   (Original) The interactive video/data system of claim 5 further comprising an optical network unit between the broadband digital terminal and the set top box.

8.   (Original) The interactive video/data system of claim 7 further comprising a network interface device between the optical network unit and the set top box.

9.   (Original) The interactive video/data system of claim 5 wherein the private data packet is inserted between frames of a video transmission.

10.   (Original) The interactive video/data system of claim 5 wherein the broadcasting source is a local server.

11.   (Original) The interactive video/data system of claim 5 wherein the broadcasting source is an Internet service provider.